

BELLCOMM, INC.

SUBJECT: Trip Report - Airlock Management
Meeting, McDonnell-Douglas Corp.,
St. Louis, Missouri, Jan. 9, 1968 -
Case 620

DATE: January 23, 1968
FROM: D. J. Belz

MEMORANDUM FOR FILE

On January 9, 1968 an Airlock Management Meeting was held at the McDonnell-Douglas Corporation, St. Louis, Missouri. This memorandum briefly summarizes a number of topics discussed during the course of that meeting:

1. PDR Action Items

MCASTRO has examined the RID's* written during the course of the Airlock Preliminary Design Review to identify potential impacts on hardware designs. "Due dates" for studies assigned to MCASTRO in response to the RID's have been established in accordance with priorities based on schedule criticality of hardware. MSC transmitted to MCASTRO a list of action items requiring further definition by NASA, together with a description of the status of each item.

2. Post-Checkout Ground Storage

MCASTRO had been requested by MSC to study the implications of storing the Airlock up to one year between completion of spacecraft system testing and initiation of pre-launch operational checkout. Mr. R. Lindley (MCASTRO) noted that water would have to be drained from plumbing and the plumbing dried to avoid hardware degradation during the storage period; this in turn raises a question as to the desirability of postponing tests requiring a "wet" Airlock until the end of the storage period.

3. Delivery Schedule of Structural Test Article (STA)

The original schedule called for delivery of the STA by MCASTRO to MSFC for integrated static tests early in March; following the static tests, the STA was to be returned to St. Louis and there configured for dynamic testing to be carried

*Review Item Discrepancy

(NASA-CR-93620) TRIP REPORT - AIRLOCK
MANAGEMENT MEETING, MCDONNELL-DOUGLAS CORP.,
ST. LOUIS, MISSOURI, JAN. 9, 1968 (Bellcomm,
Inc.) 2 p



FF No. 602
01443620
(NASA CR OR TMX OR AD NUMBER) (CATEGORY)
[REDACTED]

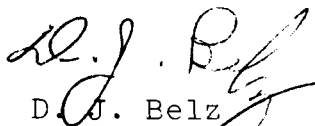
out at MSFC in August. This schedule was reexamined when MSFC indicated that facilities for the static test would not be available until May. A new schedule was established whereby the STA would be configured for both static and dynamic tests in St. Louis and shipped to MSFC in June.

Mr. R. Lindley observed that: (1) the new schedule requires the engineering for static and dynamic tests to be performed simultaneously whereas the old schedule permits sequential performance of the test engineering; (2) the new schedule requires "dummy" equipment to be defined earlier than the old schedule, thus increasing the risk of unrepresentative dummies as "real" equipment changes with time.

4. MCASTRO MDA Mockup Requirements

MSC is seeking to have an MDA mockup built at MSFC for use by MCASTRO in St. Louis to provide a working tool to verify compatibility of the Airlock/MDA interface on a continuing basis.

1022-DJB-mm


D.J. Belz

BELLCOMM, INC.

Subject: Trip Report - Airlock Management
Meeting, McDonnell-Douglas Corp.,
St. Louis, Missouri, Jan. 9, 1968 -
Case 620

From: D. J. Belz

Distribution List


NASA Headquarters

Copy to

Messrs. H. Cohen/MLR
P. E. Culbertson/MLA
J. H. Disher/MLD
J. A. Edwards/MLO
L. K. Fero/MLV
J. P. Field/MLP
T. A. Keegan/MA-2
H. Mannheimer/MLA
R. LaRock/MLT
C. W. Mathews/ML
M. Savage/MLT

Bellcomm

Messrs. A. P. Boysen
D. R. Hagner
W. C. Hittinger
B. T. Howard
J. Z. Menard
I. D. Nehama
I. M. Ross
R. L. Wagner

Division 101 Supervision
All Members Depts. 1021, 1022, 1024
Department 1023
Central Files  COPY TO
Library